

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 November 2005 (24.11.2005)

PCT

(10) International Publication Number  
**WO 2005/111878 A1**

(51) International Patent Classification<sup>7</sup>: **G06F 17/60**

(21) International Application Number:  
PCT/IL2004/000420

(22) International Filing Date: 18 May 2004 (18.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **MTS  
MER TELEMAGEMENT SOLUTIONS LTD.**  
[IL/IL]; 22 Zahrhin Street, 43662 Ra'anana (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAR, Eytan** [IL/IL];  
27 Harakafot Street, 40500 Even Yehuda (IL). **BRIKMAN,  
Yossi** [IL/IL]; 2 Arugot Street, 46364 Herzliya (IL).

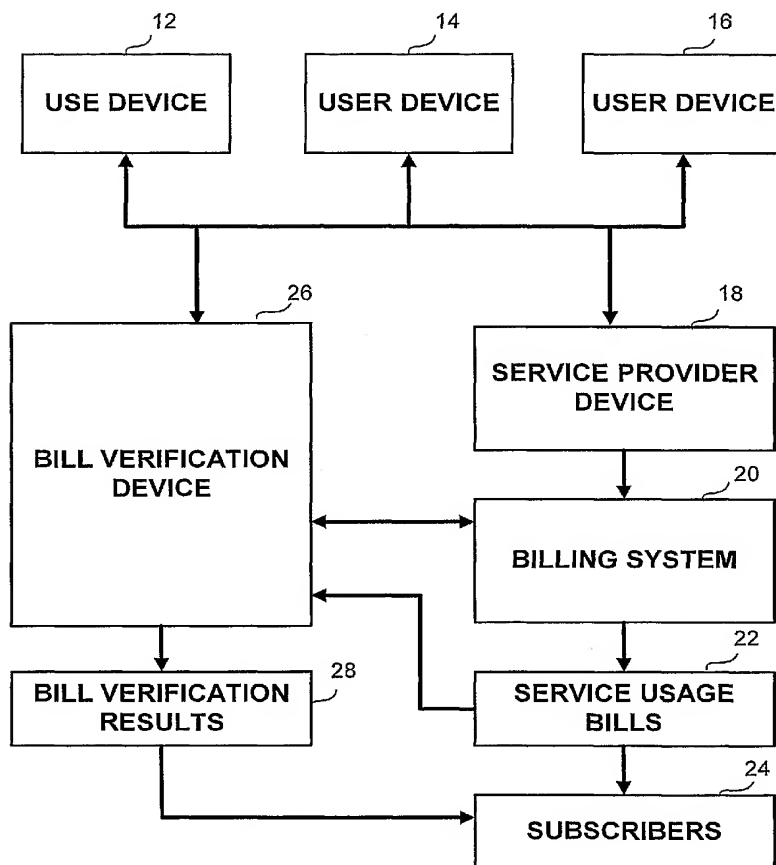
(74) Agents: **AGMON, Jonathan** et al.; Soroker - Agmon,  
Advocates & Patent Attorneys, Nolton House, 14 Shenkar  
Street, 46725 Herzliya Pituach (IL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: INFORMATION VERIFICATION IN A TELECOMMUNICATIONS NETWORK



(57) Abstract: A method and apparatus for bill verification in a communication and computing environment is disclosed. The apparatus includes a user device (12, 14, 16) and a bill verification device (26). The user device independently generates (30) user data records (36) that describe usage units of a service and transmits (42) the user data records to a bill verification device (26). The bill verification device collects bill calculation information from a user device, from a service provider device (18) and a service provider billing system and independently calculates and generates a bill with embedded inter-bill difference indicators. The bill verification device is further used as a post-billing usage control mechanism.

WO 2005/111878 A1



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— *with international search report*